

Integrated Meteorological System (IMETS)



MISSION

Provide commanders at all echelons with an automated tactical weather system that receives, processes, and disseminates weather observations, forecasts, battlefield visualization, and weather effects decision aids to all Army Tactical Command and Control System (ATCCS) battlefield functional areas (BFAs).

DESCRIPTION AND SPECIFICATIONS

The Integrated Meteorological System (IMETS) is the weather component of the intelligence electronic warfare (IEW) sub-element of the Army Battle Command System (ABCS). The Block II IMETS is a tactical automated weather system mounted on a High Mobility Multipurpose Wheeled Vehicle (HMMWV). It provides automation and communications support to Air Force combat weather teams assigned to the Army at echelons-above-corps down to aviation battalions and to Army Special Operations forces.

IMETS receives weather information from polar-orbiting civilian and defense meteorological satellites, civilian forecast centers, the Air Force Weather Agency, artillery meteorological sections, and remote sensors. IMETS processes and collates forecasts, observations, and climatological data to produce timely and accurate weather products tailored to the specific warfighter's needs. The most significant weather and environmental supports to warfighters are the automated tactical decision aids. These graphics display the impact of the weather on current or planned operations for both friendly and enemy forces. This allows the warfighter to more effectively employ his forces and weapons systems to achieve success in battle.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

- Replaced 15 non-Y2K compliant IMETS Block I systems with Y2K-compliant IMETS.
- Redirected IMETS in response to the Operational Requirements Document and realigned with the Air Force reengineering initiative. Requires three separate configurations of IMETS: HMMWV-mounted, command post, and light.
- Continued development of light version of the weather effects workstation, which complements the Air Force Weather Agency's new tactical forecaster workstation.

PROJECTED ACTIVITIES

FY00 Field seven HMMWV-mounted IMETS.

FY01 Field seven HMMWV-mounted IMETS.

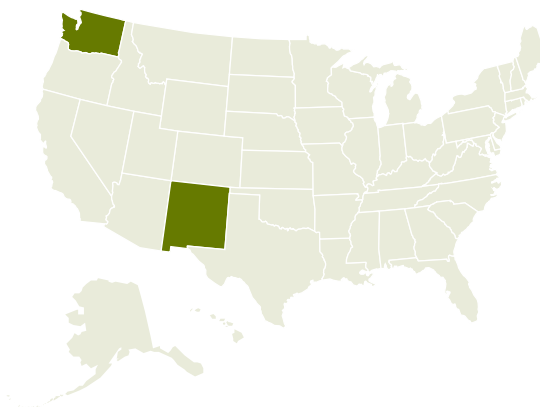
FY02 Develop and initiate fielding of 16 light configurations.

Equip the increased number of Air Force combat weather teams identified by the Air Force to better support Army weather requirements.

FY03 Develop and initiate fielding of nine command post configurations.

PRIME CONTRACTORS

Logicon (Tacoma, WA); Physical Sciences Laboratory, New Mexico State University (Las Cruces, NM)



* See appendix for list of subcontractors

